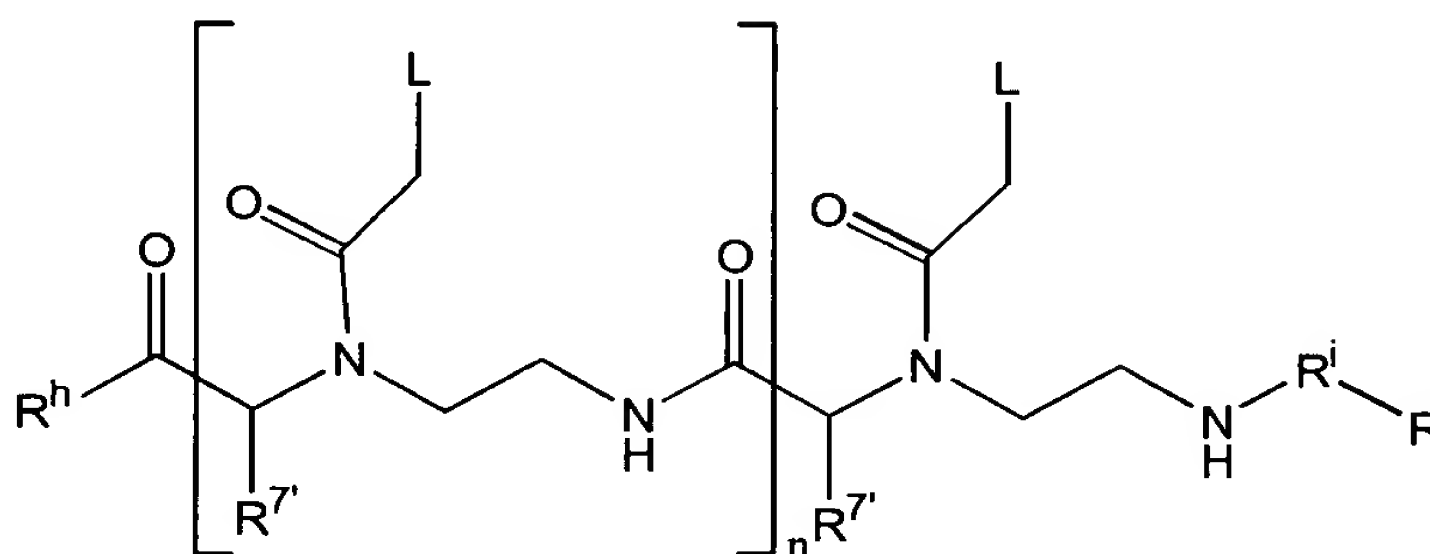


This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of Claims:**

1-22 (canceled)

23 (currently amended). A composition comprising a peptide nucleic acid having formula:



wherein:

each L is, independently, a naturally-occurring nucleobase or a non-naturally-occurring nucleobase;

each R<sup>7'</sup> is hydrogen or the side chain of a naturally-occurring or non-naturally-occurring amino acid, at least one R<sup>7'</sup> being the side chain of a naturally-occurring or non-naturally-occurring amino acid;

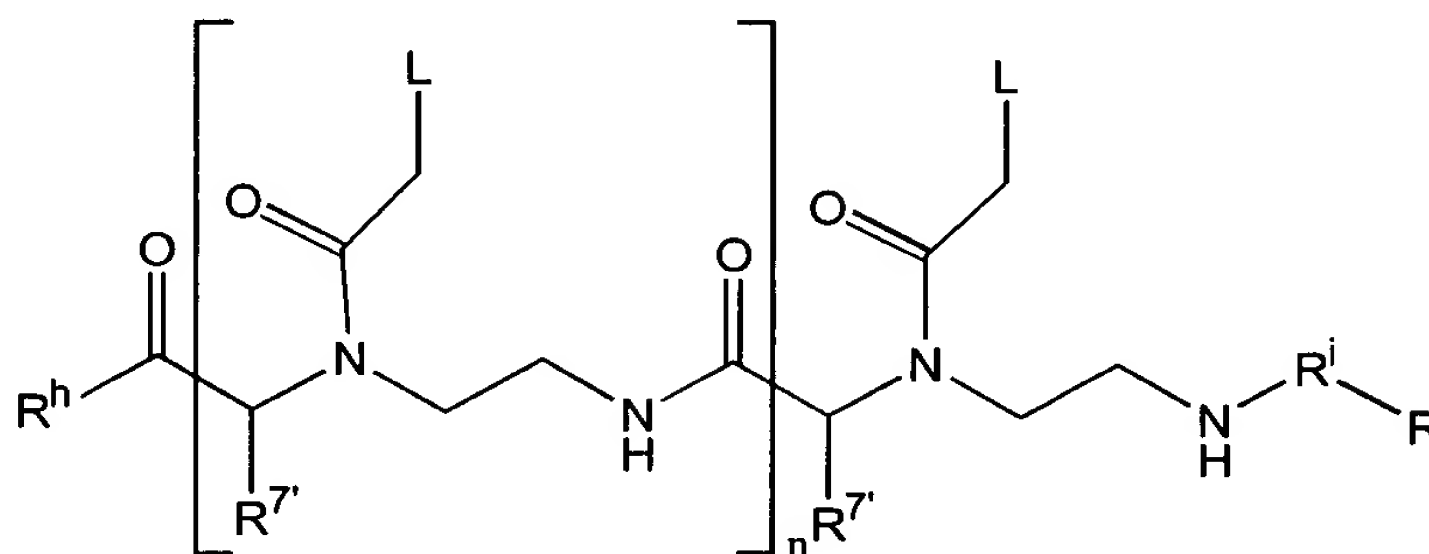
R<sup>h</sup> is OH, NH<sub>2</sub>, or NHLysNH<sub>2</sub>;

each of R<sup>i</sup> and R<sup>j</sup> is, independently, a lipophilic group or an amino acid labeled with a fluorescent group selected from alkyl, lipid, and steroid; or R<sup>i</sup> and R<sup>j</sup>, together, are a lipophilic group selected from alkyl, lipid and steroid; and

n is an integer from 1 to 30;

and at least one pharmaceutically acceptable carrier, binder, thickener, diluent, buffer, preservative or surface active agent.

24 (currently amended). A composition comprising a peptide nucleic acid



each L is, independently, a naturally-occurring nucleobase or a non-naturally-occurring nucleobase;

each R<sup>7'</sup> is hydrogen or the side chain of a naturally-occurring or non-

R<sup>h</sup> is OH, NH<sub>2</sub>, or NHLysNH<sub>2</sub>;

each of R<sup>i</sup> and R<sup>j</sup> is, independently, a lipophilic group or an amino acid labeled

n is an integer from 1 to 30;

and at least one pharmaceutically acceptable carrier, binder, thickener, diluent,

25-52 (canceled).